

THIS WAS ISSUED JULY 15, 1993; STEVE KEITH TO FRAZER LOCKHART; 93-RF-8596

External Letter

DATE NO LATER THAN JULY 20

Steve Keith to Frazer Lochart

cc: Andy Ledford
Rick Dunn
Paul Larsen
Joe Mckaig
Bill Bruninga
Phil Padghet
Ray Boyle
Enrie O'Toole

without attachments:

Tim Hedahl
Bob Morgan
Allan Schubert
Harry Mann
B2

Subject: RESULTS OF BUILDING 910 ACCEPTANCE PHASE OPERATION

EG&G is pleased to present these results of the Building 910 Acceptance Phase Qualification Test.

Schedule Performance

- The test was scheduled to begin (activity 12640010) June 16, 1993. Actual start date was June 17.
- The test was scheduled to be completed (activity 12640020) June 28, 1993. This completion date was also a commitment to the regulators. Actual completion was June 24.
- The air-emissions measurements were run immediately following the qualification sampling period. Those measurements were scheduled to occur (activity 16450010) between June 24 and June 28. Measurements were actually completed June 29. The air emissions measurements were intentionally moved to June 28 and 29 to avoid conflict with critical path items for the Building 910 qualification sampling.
- The submittal of these test results to DOE was scheduled to occur (activity 16470070) July 22, 1993. The transmittal is accomplished via this letter.

Operational Information

The Interim Measure/Interim Remedial Action Decision Document (IM/IRA) requires operating information be developed. EG&G has prepared operating logs, data sheets, and records of operating conditions and parameters. For the air-emissions permit related to Building 910, the fuel consumption log has been established. These records have been

ADMIN RECORD

1A-A-001090

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3

developed as required, and will be entered into the plant's Quality Record system at a convenient time for storage.

Pretreatment Test Results

An EDTA addition rate curve was developed, and is attached. This curve is the product of the Pretreatment Tests required by the IM/IRA Appendix B, Table 1A. The Pretreatment Tests were satisfactorily completed, as evidenced by the EDTA addition rate curve produced.

Treatment Test Results

Samples were collected and analyses performed on each of the three evaporator units in Building 910:

- Conductivity of the distillate is required by the CDH reuse-criteria to be below 150 umho/cm. Conductivity is the measurement which will be used, once Building 910 is in production-phase operation, to transfer the distillate into the raw water system. The three evaporator units produced distillate averaging 11, 30, and 21 umho/cm, for an overall average of 21 umho/cm.

- Data to be provided to the regulators:

The results of distillate analyses required in the IM/IRA Appendix B Table 2 are presented in the attachment. Table 1 lists those constituents for which 40 CFR 141 Subpart B standards are available; Table 2 lists the remainder of the constituents.

- Additional data:

Additional data were also collected (1) to compare the Table 1B and 2 constituents to the drinking water standards of 40 CFR 141, (2) as a result of the analytical methods chosen, which each provide a standard suite of measurements that cover more analytes than the minimum required by the IM/IRA, and (3) to fulfill internal operational needs. These data are presented in the attachment.

Conclusions

- All three evaporator units operated properly, and are ready to be released to Production Phase operation. **(insert any maintenance items still outstanding)**
- Building 910 has fulfilled the requirements of the Acceptance Phase.

In keeping with the Building 910 schedule, EG&G expects to receive your approval of these test results (activity 16470080) by July 27. Your approval is needed to support EG&G's commitment to RFO for Building 910 to be operational (activity 12800010) by July 27, 1993, and was allotted a duration of five days by mutual agreement. Please note the commitment-date to the regulators is September 9, 1993.

Please provide your approval of the Acceptance Phase Qualification Test results and transmit the results of the required distillate sampling, "Results for Table 2 Constituents" to the regulators.

draft letter from Frazer to Regulators

cc Steve Keith
Tom Lukow (RFO)

DOE has completed the acceptance phase testing of the B910 evaporator facility at the Rocky Flats Plant. The tests were completed on June 24, four days ahead of the schedule we provided to you in January, 1993, and the analytical results have been received (see attached tables).

DOE is pleased to inform you that the facility has passed the acceptance phase test, as required by the IM/IRA, and that DOE has designated the evaporators as ready for production-operation on July 27. The facility is therefore in production-operation ahead of the September 9, 1993 date committed to you last January.

The Building 910 facility is currently fed from the Temporary Modular Storage Tanks, which hold water from the Solar Ponds Interceptor Trench System. Excess pond water will continue to be transferred to Building 374 for treatment.

